

Name: _____

Date: _____

Vocabulary Mix

Directions: Determine the word defined or answer to each item below and place the answers in the boxes to the right. At the bottom, write the corresponding letter and number to reveal a secret message.

Subject: Science Related Engineering Careers

eernorniugene

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2

11

Def: Uses understanding of how the brain works to design products like computer systems that can intercept signals from nerve cells or artificial limbs that can be controlled by people's thoughts.

uollmeacr engineer

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5

Def: Studies and builds molecular systems with atom-by-atom precision by changing matter at the molecular level. These engineers must have extensive understanding of physics and chemistry. It is sometimes called nanotechnology in reference to the nano-sized machines created.

eboamldiic engineer

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10

8

Def: Develops devices and procedures that solve medical problems by combining knowledge of biology and medicine with engineering principles.

mlcchiae engineer

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1

12

Def: Applies the principles of chemistry to solve problems involving the production or use of chemicals and biochemicals.

igcnete engineer

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13

9

Def: Manipulates the genetic material in the cells of plants, animals, and other living organisms to develop better products, medicines, and services.

uarlecn engineer

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3

Def: Researches, designs, and develops the processes, instruments, and systems used to derive benefits from nuclear energy and radiation.

Science is facts; just as

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1	2	3	4	5	6

are made of stones, and science made of facts; but a

pile of stones is not a house and a collection of facts is not necessarily

S						
7	8	9	10	11	12	13

Key: Science Related Engineering Careers

neuroengineer

N	E	U	R	O	E	N	G	I	N	E	E	R
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2

11

Def: Uses understanding of how the brain works to design products like computer systems that can intercept signals from nerve cells or artificial limbs that can be controlled by people's thoughts.

molecular engineer

M	O	L	E	C	U	L	A	R
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5

Def: Studies and builds molecular systems with atom-by-atom precision by changing matter at the molecular level. These engineers must have extensive understanding of physics and chemistry. It is sometimes called nanotechnology in reference to the nano-sized machines created.

biomedical engineer

B	I	O	M	E	D	I	C	A	L
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10

8

Def: Develops devices and procedures that solve medical problems by combining knowledge of biology and medicine with engineering principles.

chemical engineer

C	H	E	M	I	C	A	L
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1

12

Def: Applies the principles of chemistry to solve problems involving the production or use of chemicals and biochemicals.

genetic engineer

G	E	N	E	T	I	C
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13

9

Def: Manipulates the genetic material in the cells of plants, animals, and other living organisms to develop better products, medicines, and services.

nuclear engineer

N	U	C	L	E	A	R
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3

Def: Researches, designs, and develops the processes, instruments, and systems used to derive benefits from nuclear energy and radiation.

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H	O	U	S	E	S
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S	C	I	E	N	C	E
7	8	9	10	11	12	13